

## [Search S]

- ### Related Links

microposition\* and piezoelectric and feedforward

Title	Pub. Date	Int. Class	App.
1. <u>(WO 2005/017634) METHOD AND CIRCUIT ARRANGEMENT FOR THE PRECISE DYNAMIC DIGITAL CONTROL OF ESPECIALLY PIEZOELECTRIC ACTUATORS FOR MICROPOSITIONING SYSTEMS</u>	24.02.2005	G05B 19/35	PC7/ EP20

The invention relates to a method and to a circuit arrangement for the precise, dynamic digital control of especially **piezoelectric micropositioning** systems, comprising a regulator, whereby, in order to minimize position order deviations, the future system current correction signals for the purpose of **feedforward** correction are obtained. The aim of the invention is to reduce latency loop of the scanner system. For this purpose, the signal of the command variable is passed over a switched bypass to a high-converter, said converter being operated at the scan rate of the scanner system. The **feedforward** loop leads to a fast digital-

## Search Summary

microposition\*: 1585 occurrences in 345 records.

piezoelectric: 206713 occurrences in 23073 records.

(microposition\* AND piezoelectric): 116 records.

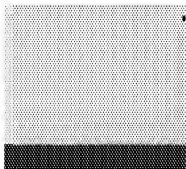
feedforward: 13738 occurrences in 1991 records

((microposition AND piezoelectric) AND feedforward): 1 record.

Search Time: 1.72 seconds.

- ## Standards & Documentation

<http://www.wipo.int/pctdb/cgi/guest/list5?LANG=ENG&DBSELECT=PCT&SERVE...DISP=25&QUERY=microposition%2a+and+piezoelectric+and+feedforward%0d%0a> (1 of 2) 12/31/08 5:16:22 PM



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